

SEQUENCE LISTING

<110> Xiao-Zhou Michelle Wang
Xavier Georges Sarda
Michael David Tomalski
Vincent Paul Mary Wingate

<120> *Heliothis Glutamate Receptor*

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<141> 2000-06-13

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<221> variation
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<213> Heliothis virescens

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<223> Oligonucleotide Adaptor Primer, AP1

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25

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<213> Heliothis virescens

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<212> DNA
<213> Heliothis virescens

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aaaaaaaaaaaa aaaaaaaaaaa aaaaaaaaaaa aa 1052

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<212> DNA
<213> Artificial Sequence

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1609

<210> 12
<211> 1640
<212> DNA
<213> Artificial Sequence

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<223> PCR amplified fragment of *Heliothis* DNA cloned
into pCR2.1-TOPO vector (Invitrogen)

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<212> DNA
<213> *Heliothis virescens*

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<221> unsure
<222> (764)...(764)
<223> n is a, t, g, or c

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<210> 14
 <211> 450
 <212> PRT
 <213> Heliothis virescens

<400> 14
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 35 40 45
 Pro Gly Arg Tyr Asp Ala Arg Ile Arg Pro Ser Gly Ile Asn Gly Thr
 50 55 60
 Asp Gly Pro Ala Val Val Ser Val Asn Ile Phe Val Arg Ser Ile Ser
 65 70 75 80
 Lys Ile Asp Asp Val Thr Met Glu Tyr Ser Val Gln Leu Thr Phe Arg
 85 90 95
 Glu Gln Trp Leu Asp Glu Arg Leu Lys Phe Asn Asn Leu Gly Gly Arg
 100 105 110
 Leu Lys Tyr Leu Thr Leu Thr Glu Ala Asn Arg Val Trp Met Pro Asp
 115 120 125
 Leu Phe Phe Ser Asn Glu Lys Glu Gly His Phe His Asn Ile Ile Met
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 Pro Asn Val Tyr Ile Arg Ile Phe Pro Asn Gly Asn Val Leu Tyr Ser
 145 150 155 160
 Ile Arg Ile Ser Leu Thr Leu Ser Cys Pro Met Asn Leu Lys Leu Tyr
 165 170 175

Pro Leu Asp Lys Gln Thr Cys Ser Leu Arg Met Ala Ser Tyr Gly Trp
180 185 190
Thr Thr Asp Asp Leu Val Phe Leu Trp Lys Glu Gly Asp Pro Val Gln
195 200 205
Val Val Lys Asn Leu His Leu Pro Arg Phe Thr Leu Glu Lys Phe Leu
210 215 220
Thr Asp Tyr Cys Asn Ser Lys Thr Asn Thr Gly Glu Tyr Ser Cys Leu
225 230 235 240
Lys Val Asp Leu Leu Phe Lys Arg Glu Phe Ser Tyr Tyr Leu Ile Gln
245 250 255
Ile Tyr Ile Pro Cys Cys Met Leu Val Ile Val Ser Trp Val Ser Phe
260 265 270
Trp Leu Asp Gln Gly Ala Val Pro Ala Arg Val Leu Leu Gly Val Thr
275 280 285
Thr Leu Leu Thr Met Ala Thr Gln Ser Ser Gly Ile Asn Ala Ser Leu
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Pro Pro Val Ser Tyr Thr Lys Ala Ile Asp Val Trp Thr Gly Val Cys
305 310 315 320
Leu Thr Phe Val Phe Gly Ala Leu Leu Glu Ser Arg Phe Val Asn Tyr
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Ala Ser Arg Ser Asp Met His Arg Glu Asn Met Lys Lys Ala Arg Arg
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Glu Met Glu Ala Ala Ser Met Asp Ala Ala Ser Asp Leu Leu Asp Thr
355 360 365
Asp Ser Asn Thr Thr Phe Ala Met Lys Pro Leu Val Arg Gly Val
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Val Glu Ser Lys Met Arg Gln Cys Glu Ile His Ile Thr Pro Pro Arg
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Lys Asn Cys Cys Arg Leu Trp Met Ser Lys Phe Pro Thr Arg Ser Lys
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